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(54) Title: SIGNAL PROCESSING SYSTEM FOR SATELLITE POSITIONING SIGNALS

(57) Abstract: A signal processing system for processing satellite positioning signals is described. The system comprises at least one of one processor and a signal processor operating under a number of operational modes. The signal processor includes at least one of a signal processing subsystem, a fast Fourier transform (FPT) subsystem, and a memory subsystem that are each dynamically and independently configurable in response to the operational modes. Further, the system includes a comboiler that couples to control transfer of that among the signal processing subsystem and the PPT subsystem via the memory subsystem. Configurability of the memory subsystem includes configurably and the common subsystem includes configurably and the configurability of the among subsystem includes configurably and the memory subsystem into regions according to the operational modes where each region is accessible in one of a number of manners according to the operational modes.

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